

DVD-PLAYER

GDP 9550

ENGLISH

GERUNDIG

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DVD-PLAYER GDP 9550

Special features of your DVD player



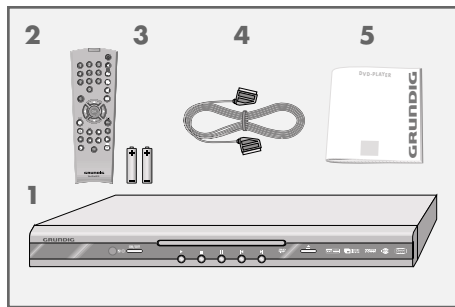
Your DVD player provides you with perfect digital video playback of studio quality.

It also provides superb cinema-quality audio playback – in stereo or with digital multi-channel sound – depending on the type of DVD and the Audio system or stereo television.

Other features of DVD video include the choice of audio channel and language, choice of subtitle language, and various camera recording angles. Your DVD player is suitable for DVDs with regional code 2.

As well as DVDs, Nero Digital™-CDs, DivX®Video-CDs, MP3 CDs, JPEG coded (photo) CDs, KODAK Picture CDs, Video-CDs, S-Video-CDs and audio-CDs can also be played back.

Scope of delivery



- 1 DVD Player GDP 9550
- 2 Remote control
- 3 2 Batteries, 1.5 V, type AA
- 4 EURO-AV (Scart) cable
- 5 Operating manual

Disc formats

Your DVD player can play back CD-R, CD-RW, VCD 2,0, Super-VCD, DVD R, DVD RW discs.

Due to the difference in quality of the recording media and the quality of the recording itself, it can occasionally happen that a home-made DVD or CD cannot be read. This does not indicate a malfunction of the DVD player.

You have to finalise your own CD-R/RW recordings.

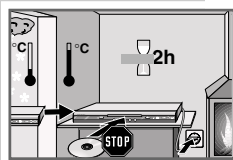
Make sure the settings of your CD burning program correspond to the ISO 9660 standard to create a CD R or CD RW.

When DivX®Video or Nero Digital™ or MP3 or JPEG CDs are played back, individual tracks/pictures may be skipped or incorrectly played back/displayed. This can be due to the disc configuration, the encoder software or the hardware used for the recording.

Audio CDs (CDDA) correspond to the specification and bear the corresponding logo. Copy-protected CDs do not correspond to this specification and do not bear the corresponding logo. These CDs can cause playback errors.



SET-UP AND SAFETY

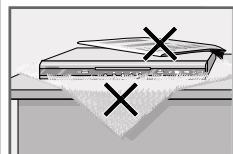


Please note the following information when setting up your DVD player:

This DVD player is designed to play video and audio signals from compact discs (DVD and CD).

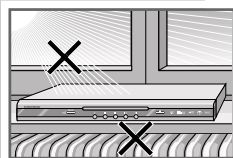
Any other use is expressly prohibited.

If the DVD player is subject to a sudden change in temperature, for example if it is brought in from the cold to a warm room, connect it to the mains supply and let it stand for at least two hours before you insert a DVD.



The DVD player is designed for use in dry rooms. If you do use it in the open, please ensure that it is protected from moisture, such as rain or water splashes.

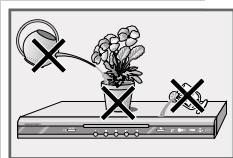
Place the DVD player on a hard, level surface. Do not place any objects such as newspapers on the DVD player or any cloth or similar articles underneath it.



Do not place the DVD player directly on top of an AV receiver or a subwoofer. The laser optics are sensitive to temperature and shocks.

Do not place the DVD player close to heating units or in direct sunlight, as this will impair cooling.

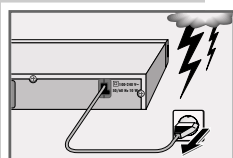
Do not insert foreign objects in the disc compartment of the DVD player.



Never open the DVD player casing under any circumstances.

Warranty claims are excluded for damage resulting from improper handling.

Do not place any vessels filled with liquid, such as vases, on the DVD player, as they may spill liquid, thus presenting a safety risk.



Thunderstorms are a danger to all electrical devices. Even if the DVD player is switched off, it can be damaged by a lightning strike to the mains. Always remove the mains plug during an electrical storm.

If the DVD player cannot scan DVDs or CDs perfectly, use a commercially available cleaning-CD to clean the laser optics. Other cleaning methods may damage the laser optics.

Always keep the disc compartment closed to prevent dust from collecting on the laser optics.



This DVD player is designed to the highest technological and environmental standards. Only environmentally-friendly, high-quality materials have been used. The batteries included contain no mercury or cadmium.

The range of materials used has been deliberately restricted and all the larger plastic parts have been labelled. This DVD player is designed so that it can be easily disassembled to aid servicing and recycling.

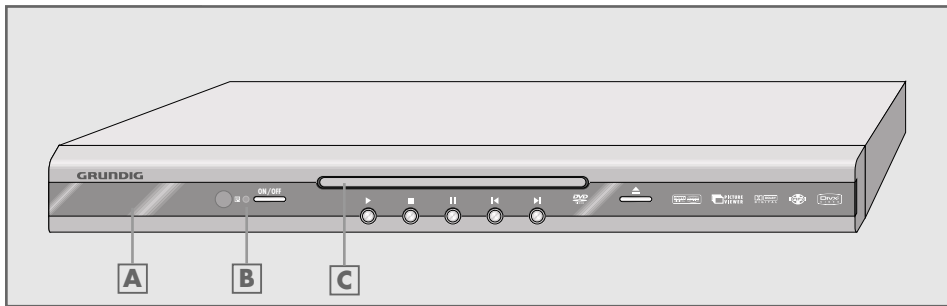
Note:

Do not connect any other equipment while the device is switched on. Switch off the other equipment as well before connecting it.

Only plug the device into the mains socket after you have connected the external devices.

OVERVIEW

The front of the DVD player



A

Display.

B

Stand-by indicator.

ON/OFF

Switches the DVD player to stand-by and off again. Switching off the DVD player does not mean it is disconnected from the mains.

C

Compartment for DVDs/CDs.



Starts playback.



Press once to activate the "RESUME" function. Press twice to switch to "STOP".



Press once to interrupt all functions. Press twice to switch freeze frames forward step by step.



Selects the previous track or section during playback.



Selects the next track or section during playback.












Opens and closes the disc compartment.

OVERVIEW

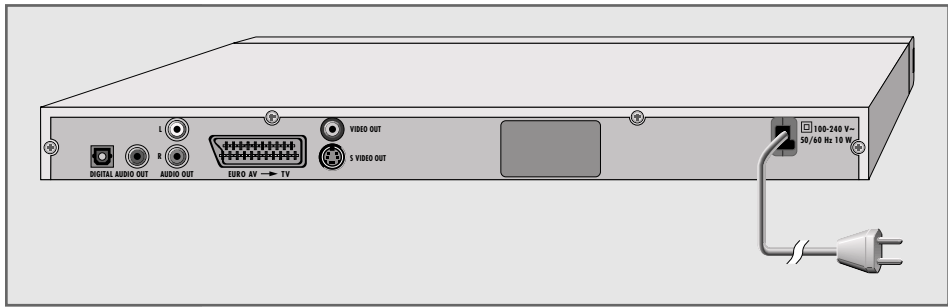
The display elements of the DVD player



- » **DVD** « DVD inserted.
- »  « Function display for playback, pause, search etc.
- » **dts** « DTS-coded audio track is being played back.
- »  « Playback.
- »  « Pause/freeze-frame.
- » **ALL**  « One of the repeat functions is activated.
- » **SVCD** « Video CD or S-VCD inserted.
- » **DD** « The DVD offers a Dolby Digital audio signal.
- »  « Various angles available.
- » **PBC** « Navigation mode during VCD/S-VCD playback.
- » **MP3** « MP3 CD inserted.
- »  | « Number of a section on a DVD or CD or number of a music track on a CD.
- »  :  :  « Total or elapsed playing time in hours, minutes and seconds.

OVERVIEW

The back of the DVD player



- DIGITAL AUDIO OUT** Audio output socket (optical) for PCM/Dolby digital/ DTS signals.
Audio output socket (coaxial) for PCM/Dolby digital/ DTS signals.
For connecting a digital multi-channel audio video amplifier or AV receiver.
- AUDIO OUT L R** Audio output sockets (left/right analogue channel) for connecting an audio system.
- EURO AV → TV** For connecting a television with an EURO-AV socket.
- S VIDEO OUT** Video output socket for connecting a television or AV receiver with an S video socket.
- VIDEO OUT** Video output socket for connecting a television or AV receiver with a Cinch socket.
- 100-240V~
50/60Hz 10W** Mains cable.

Caution:

Do not connect any devices while the DVD player is switched on. Switch off the other device as well before connecting it.

Never touch the inside of the sockets and plugs of the connecting cables. An electrostatic discharge can damage the DVD player.

OVERVIEW

The remote control



Switches the DVD player on from stand-by mode and off again. The red indicator on the DVD player lights up in stand-by mode.

1 ... 0

Numeric keys for various inputs.



Zooms in on scenes during playback.



For the selection and repeated playback of sections from DVDs and video CDs and titles/tracks on DivX®Video-CDs, Nero Digital™-CDs, audio CDs, MP3 or Picture CDs.



Selects various camera angles* for certain scenes or passages on the DVD during playback. Selects the RANDOM PLAY function in STOP mode.



Mutes the sound on a GRUNDIG television.



Switches up one menu level.

i

Calls up the main menu (player menu) of the DVD player.



Select various functions in the menus.

OK

Displays various information on the television screen during playback, such as the title or chapter number and playing time. Confirms selected functions in the menus.



Opens up the disc menu* of a DVD during playback. Switches playback control (PBC) on/off (VCD/S-VCD).











Title

Calls up the DVD title menu* during playback.

* Depends on the DVD used

OVERVIEW



-  Press briefly to mark scenes on the DVD.
Hold down to start playback at the selected marker.
-  Freeze-frame for DVDs, video CDs, Nero Digital™-CDs and DivX® Video-CDs;
pause for audio CDs and MP3 CDs.
Hold down to switch to slow motion (DVD).
-  Interrupts all drive functions;
Hold down to open the tray
-  Switches the DVD player on from standby mode.
Starts playback.
-  Selects the previous title or section during playback.
-  Selects the next title or section during playback.
-  Switches to backwards frame search at various speeds during playback.
-  Switches to forwards frame search at various speeds during playback.
-  Switches between the original and the dubbed language* during DVD playback.
Switches between the various sound formats.
- TV** Switches the remote controller between controlling your DVD player and controlling your GRUNDIG television. The possibilities of this are described on page 43.
-  For selecting and displaying subtitles* of the DVD during playback.

CONNECTION AND PREPARATION

Note:

Do not connect any other equipment while the device is switched on. Switch off the other equipment as well before connecting it. Only plug the device into the mains socket after you have connected the external devices.

Connecting a television or flat screen

You have three options, depending on the sockets you have on your television or flat screen:

- You get the best picture quality by making the connection at the EURO-AV socket using a fully assigned EURO-AV cable.
- The standard connection for many devices, and one which provides good quality, is via the S-VIDEO OUT socket and the AUDIO OUT cinch sockets.
- The simplest option which still offers sufficient quality is connecting to the video socket and the audio sockets with a cinch cable.

Necessary adjustments to the television or the flat screen

After you have made the connections at the selected output sockets, you must activate them. The setting procedure is described in the "Selecting the video output socket (EURO AV/RGB or S-video)" section on page 16.

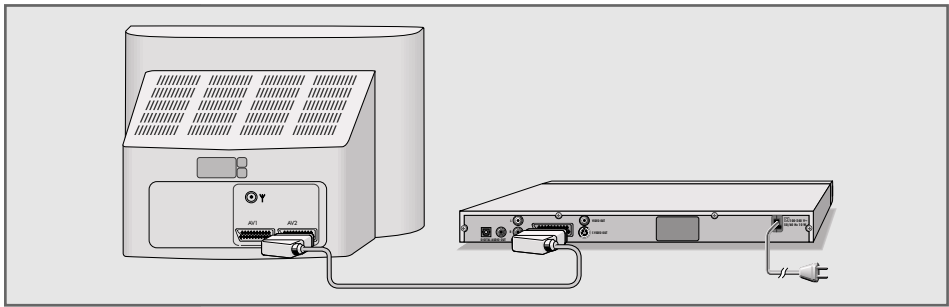
If the DVD player is connected to a television set or a flat screen with a 16:9 format, observe the settings described in the "Selecting the television format" section on page 17.

The colour standard of the DVD player must be matched to the colour standard of your television or flat screen. The setting procedure is described in the section "Setting the TV system (TV norm)" on page 16.

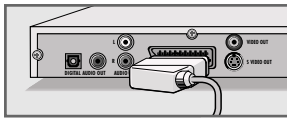
Connect the »**EURO AV** → **TV**« socket directly to the television or the flat screen, and not indirectly via a video recorder. This can cause difficulties when playing back copy-protected DVDs/CDs.

CONNECTION AND PREPARATION

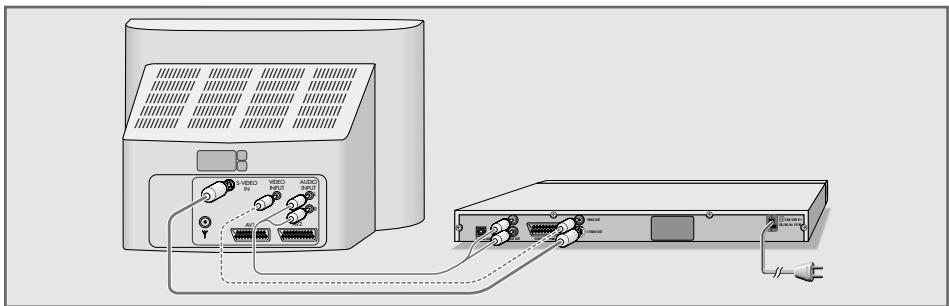
Connection using a EURO-AV (Scart) cable



- 1 Plug the EURO-AV cable supplied into the »**EURO AV → TV**« socket of the DVD player and into the corresponding socket of the television or flat screen.



Connection using a Y/C (S-VIDEO) cable or a cinch cable (picture signal) and a cinch cable (audio signal)

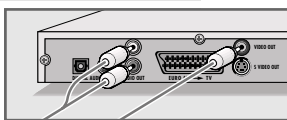
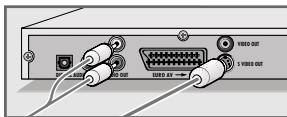


- 1 Plug a standard Y/C cable into the »**S VIDEO OUT**« socket of the DVD player and into the corresponding socket (**S VIDEO IN**) of the television or flat screen;

or

plug a standard cinch cable into the »**VIDEO OUT L R**« socket on the DVD player and the corresponding socket (**VIDEO IN**) on the television or flat screen.

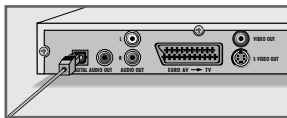
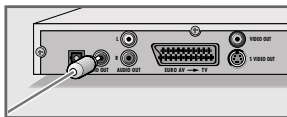
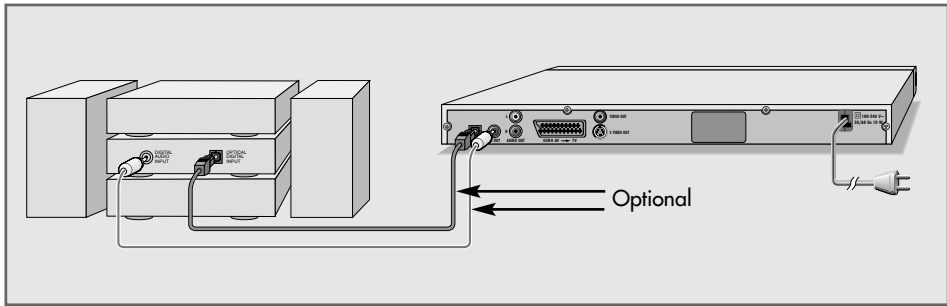
- 2 Plug standard cinch cables into the »**AUDIO OUT L R**« sockets of the DVD player and the appropriate sockets (**AUDIO IN**) on the television or flat screen.



CONNECTION AND PREPARATION

Connecting a multi-channel amplifier or digital two channel audio system

The digital multi-channel sound of a DVD can best be decoded and played back with a multi-channel audio/video amplifier (Dolby* digital decoder or DTS**).



- 1 Plug a standard cinch cable into the »**DIGITAL AUDIO OUT**« socket on the DVD player and into the appropriate socket on the digital multi-channel amplifier;

or

remove the protective cap of the optical digital output and plug an optical digital cable into the digital output »**DIGITAL AUDIO OUT**« of the DVD player and into the corresponding socket of the digital multi-channel amplifier.

Notes:

Keep the protective cap in a safe place and put it back in place on the device if it is not to be used for a longer period of time.

Even if you are using a digital connection, you should still make an analogue audio connection as it is possible, depending on the disc type, that no signal can be output via the »**DIGITAL AUDIO OUT**« socket (For the connection, see page 14).

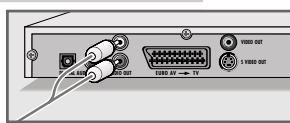
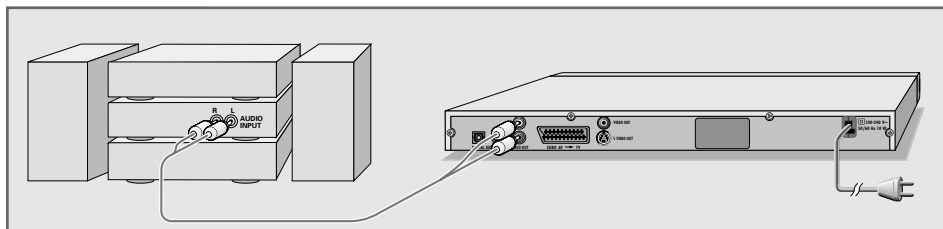
* Manufactured under licence from Dolby Laboratories Licensing Corporation. "Dolby", "Dolby Pro Logic", "Dolby Digital" and the double-D symbol "DD" are trademarks of the Dolby Laboratories Licensing Corporation. Copyright 1992 Dolby Laboratories, Inc. All rights reserved.

** DTS and DTS Digital Out are trademarks of Digital Theater Systems, Inc. All rights reserved.

CONNECTION AND PREPARATION

Connecting an audio system with analogue two-channel stereo sound

As an alternative to using the television's speakers, the sound can also be played back through an audio system. This can improve audio playback.

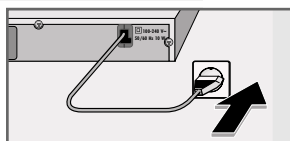


- 1 Plug a standard cinch cable into the »AUDIO OUT L R« socket of the DVD player and into the corresponding socket on the audio system.

Caution:

Do not connect the »AUDIO OUT L R« socket on the DVD player to the PHONO (record player) input socket on the audio system.

Connecting the power cord

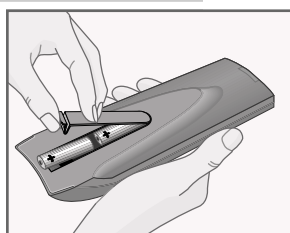


- 1 Plug the power cord into the wall socket.

Note:

Only plug the device into the mains socket after you have connected the external devices.

Inserting batteries in the remote control



- 1 Open the battery compartment by pressing the snap-catch, and remove the lid.
- 2 When inserting the batteries (Micro type, e.g. R06 or AA, 2 x 1.5 V), observe the polarity marked on the battery compartment.
- 3 Close the battery compartment.

Note:

If the DVD player no longer reacts properly to remote control commands, the batteries may be flat. Be sure to remove used batteries. The manufacturer accepts no liability for damage resulting from used batteries.

Environmental note:

Batteries, including those which contain no heavy metal, may not be disposed of with household waste. Please dispose of used batteries in an environmentally sound manner. Find out about the legal regulations which apply in your area.

GETTING STARTED

Switching on the DVD player

- 1 Press »ON/OFF« on the DVD player to switch it to standby.
– The red indicator on the DVD player lights up.
- 2 Switch on the DVD player by pressing »▲« on the device, or »⏻« on the remote control.

Notes:

If the DVD player has been connected to the »S-VIDEO OUT« socket, no picture will appear. Press the »i«, »5«, »2«, »▲« and »OK« buttons in succession.

The video output is set to »S-Video«, and the »Installation« menu appears.

Selecting the language of the screen menu

With this you set the language of the DVD player's screen menu. You can choose between various languages.

- 1 Press »i« to open the main menu.
- 2 Select »Installation« with »▼« or »▲« and activate with »OK«.
- 3 Select the »Player language« line by pressing »▼« or »▲« and press »OK« to activate it.
- 4 Select your language using »▼« or »▲« and press »OK« to confirm.
- 5 Press »i« to finish the setting.



Adapting the DVD player to the television set

Setting the TV system (TV norm)

The colour norm of the DVD player's screen menus has to be adapted to the format of your television or flat screen.

Select »NTSC« for televisions with the NTSC standard, or »PAL« for those with the PAL standard.

Select »Auto« for televisions with multi-norm, and the TV norm follows that on the disc.

- 1 Press »i« to open the main menu.
- 2 Select »Installation« with »▼« or »▲« and activate with »OK«.
- 3 Select »TV standard« using »▼« or »▲« and press »OK« to activate it.
- 4 Select the desired setting (»Auto«, »NTSC« or »PAL«) with »▼« or »▲« and confirm with »OK«.
- 5 Press »i« to switch off the menu.

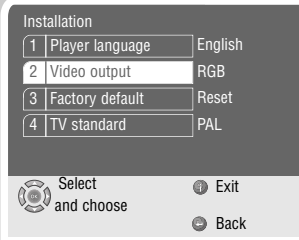


GETTING STARTED

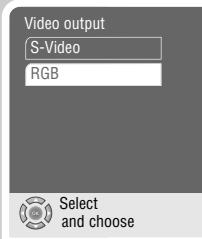
Selecting the video output socket (EURO AV/RGB or S-Video)

The video output of your DVD player has been set at the factory to »RGB«.

When you connect your DVD-Player to the television, flat screen or projector using a Y/C cable (»**S-VIDEO OUT**« socket on the DVD player), you will need to set the video output for the video signal and the image to be relayed to the television.



- 1 Press »i« to open the main menu.
- 2 Select »Installation« with »▼« or »▲« and press »OK« to conform.
- 3 Select »Video output« with »▼« or »▲« and press »OK« to confirm.
- 4 Select the video output with »▼« or »▲« and press »OK« to confirm.
– »RGB« for »**EURO AV → TV**« socket
 »S-Video« for »**S-VIDEO OUT**« socket.
- 5 Press »i« to quit the menu.



Note:

If the DVD player has been connected to the »**S-VIDEO OUT**« socket, no picture will appear. Press the »i«, »5«, »2«, »▲« and »OK« buttons in succession.

The video output is set to »S-Video«, and the »Installation« menu appears.

GETTING STARTED

Selecting the screen format of your television set

This setting depends on your television or flat screen, and on the information on the DVD.

If you have a 4:3 format television or flat screen, the following settings are available:

»4:3 Pan&Scan« for wide-screen playback, with the left and right edges of the picture cropped (depending on the DVD used)

or

»4:3 Letterbox« for wide-screen playback, with black bars on the top and bottom edges of the screen

If you have a 16:9 format television or flat screen, select the »16:9« setting:



- 1 Press »i« to open the main menu.
- 2 Select »Picture« with »▼« or »▲« and activate it with »OK«.
- 3 Select the »TV format« menu with »▼« or »▲« and activate it with »OK«.
- 4 Select the picture format (»4:3 Pan&Scan«, »4:3 Letterbox« or »16:9«) using »▼« or »▲« and press »OK« to confirm.
- 5 Press »i« to quit the menu.

BEFORE PLAYBACK

Preparation

- 1 Switch on the television and select the preset channel for the DVD player.
- 2 If an audio system or an AV receiver is connected to the DVD player, switch it on and select the audio input for the DVD player.
- 3 Press »**ON/OFF**« on the DVD player to switch it to standby.
– The red indicator on the DVD player lights up.
- 4 Switch on the DVD player by pressing »**▶**« on the device or »**▶**« on the remote control.
– Display on DVD player and television: »no disc«.

no disc



Inserting a disc

- 1 Press »**▶**« on the DVD player, or press and hold down »**■**« on the remote control.
– Display: »**▶**«, the disc tray opens.
- 2 Insert the disc you want to play in the disc compartment with the label facing upwards.
- 3 Press »**▶**« on the DVD player, or press and hold down »**■**« on the remote control.
– Display: »**▼**«, the disc tray retracts again, then »**⊙**...«, and the disc is read.
– DVD player display: The elapsed playing time of the disc.

Notes:

Playback of a DVD, VCD, SVCD, KODAK Picture CD or audio CD (CDDA) starts automatically.

The file browser appears if an DivX®Video-CD, MP3 or JPEG CD is inserted.

If the »**⊙**« symbol appears on the television screen, the selected function is not possible with this disc.

Removing discs

- 1 Press »**▶**« on the DVD player, or press and hold down »**■**« on the remote control.
– Display: »**▶**«, the disc tray opens.

PLAYBACK A DVD



DVD features

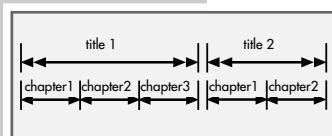
You can recognise a DVD by the logo on the label.

Depending on the content of the DVD, the discs contain one or more titles.

Each title may contain one or more chapters. Titles and chapters can be selected easily and conveniently.

You can control and direct playback of a DVD using the menu of the DVD player on the television screen.

Special DVD features



DVDs have a title menu which provides an overview of the available titles and the passages they contain.

Some of the DVD player's functions, such as slow motion, freeze-frame and auto-play, can also be controlled by the DVD itself. It is therefore possible that the freeze-frame function, for example, cannot be selected during certain scenes.


Many DVDs have audio tracks recorded in up to eight languages. This enables you to select the language you prefer.

Many DVDs are recorded by the manufacturer with subtitles in several languages. You can select subtitle superimposition from up to 32 different languages.

Since films are released in different parts of the world at different times, all DVD players world-wide are given a regional code. The regional code for your DVD player is 2.


DVDs may also be given a supplementary regional code. If you insert a DVD with a code different to that of the DVD player, a reference to the regional code appears on the television screen. The DVD player will not be able to play back the DVD.

Notes:

If the parental lock is activated, the »  « display appears on the television screen.

You need to switch off this lock, please refer to the chapter on "Locking and enabling the disc compartment of the DVD player" on page 36.

If a DVD is not authorised, the coded rating of the access level (1 ... 8) must be changed (see the "Authorising the content of the DVD" chapter on page 37).

If the »  « symbol appears on the television screen, then the selected function is not possible with this DVD.



PLAYBACK A DVD

Playing back a track



- 1 After the disc compartment closes and the DVD is scanned, playback starts automatically.
- 2 To pause playback (freeze-frame), press »**||**«.
- 3 Press »**▶**« to resume playback.
- 4 Press »**■**« to end playback.

Note:

Depending on the DVD you are using, you may have to select a title or chapter from its table of contents.

Select a chapter or track using the »**▲**«, »**▼**«, »**◀**« or »**▶**« buttons and press »**OK**« to activate it, or press »**▶**« to start playback.

Calling up information

You can call up information on the title, chapter and playing time for display on the screen.

- 1 Press »**OK**« to see the Info line.

– You receive the following information:

DVD	Type of disc
1/2	Current track and total tracks
33/45	Current chapter and total chapters
00:00:05	Playing time
01:31:55	Remaining playing time
1/3 de	Dubbing language available (in the example 3, de for German)
5.1	Audio system
1/5 de	Subtitles available (in the example 5, de for German)
2/4	Camera positions available (in the example 4)
Mbit/s	Bit rate

- 2 Press »**OK**« to hide the Info line.

Selecting tracks and chapters with the DVD menu

If a DVD contains several titles and/or chapters, you can select them. If a DVD contains several titles/chapters, this can be seen in the info line in the »**▶**« and »**◀**« boxes.

- 1 Call up the contents of the DVD with »**⊙**« (Disc Menu) or »**Title**« (Title Menu).
– If the DVD has a title menu it will appear on the screen.
- 2 Select tracks or chapters with »**▲**«, »**▼**«, »**◀**« or »**▶**« and activate with »**OK**«.
– Playback of the selected title/chapter begins.

PLAYBACK A DVD

Selecting certain tracks with the number buttons

The function depends on the DVD you are using.

- 1 In stop mode, select the track you want using »1 ... 0« and press »OK« to confirm.
– Playback begins with the selected track.

Selecting chapters ...

... using the numerical buttons

- 1 During playback, select the desired chapter using »1 ... 0« and press »OK« to confirm.
– Playback of the selected chapter begins.

... step by step (SKIP)

- 1 Select the next chapter, to do this, press »▶|« during playback.
- 2 Select the start of the chapter with »|◀« (press once).
- 3 Select the previous chapter with »|◀« (press twice).
– Playback of the selected chapter begins.

Interrupting/resuming playback (resume)

The playback of a DVD can be interrupted at any point and then resumed from the same place.

- 1 Interrupt playback by pressing »■« once only.
- 2 Resume playback at the point where it was interrupted by pressing »▶«.

Ending playback

You can stop playback at any point by pressing »■« twice.

 3 _2 2 2 1

PLAYBACK A DVD

Additional playback functions

Notes:

The sound is muted during the "Frame search", "Slow motion" and "Freeze-frame" functions.

Depending on the DVD, some functions cannot be selected.

Frame search

You can select different speeds (2-fold, 4-fold, 6-fold and 8-fold forwards and reverse).

- 1 Select the desired playback speed during playback with » « or » «.
- 2 Press » « to resume normal playback.

Slow motion

You can choose between different speeds (1/2, 1/4, 1/8, forwards or reverse).

- 1 During playback, press » «.
- 2 Select the slow motion speed by pressing » « or » «.
- 3 Press » « to resume normal playback.

Switching the freeze frame forwards/backwards in steps

- 1 During playback, press » «.
- 2 Move the freeze frame step by step backwards or forwards with » « or » «.
- 3 Press » « to resume normal playback.

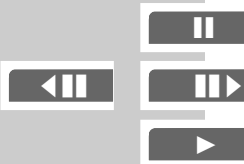
Selecting the camera angle for particular scenes or passages

Some DVDs contain scenes or passages which were filmed several times from different camera angles.

You can choose from among these different angles.

With DVDs which support this function, the status display (Info menu) on the television screen shows » « 1/4« for example.




- 1 To select the camera angle function, press » « during playback.
– Display: camera angle » « 2/4«, 2 from 4 in this example.
- 2 Select another camera angle, to do this, press » « repeatedly.



PLAYBACK A DVD






Enlarging the picture (Zoom)

This function allows you to enlarge various picture sections. The picture enlargement options are selected in the sequence: 1.5x – 2x – 3x – normal size.

- 1 During playback or pause, press »« repeatedly.
– Display: for example » X1.5«, and the DVD player enlarges a section of the picture.
- 2 Move the picture section on the screen with »◀«, »▶«, »▲« or »▼«.
- 3 Switch back to “normal” picture size with »«.

Switching the dubbed language or the audio format

These settings switch away from the preset dubbed language, if the DVD offers any alternatives.

- 1 During playback, press »«.
– Display: for example » 1/3 de  5.1« is displayed briefly, and the current dubbing language is displayed, in the example: the 1st of 3 possible dubbed languages, sound format  5.1.
- 2 Keep pressing »« to select the dubbing language.




Note:

Switching the dubbed language can be suppressed by the structure of the DVD itself. In this case the setting is usually made in the DVD menu.



Selecting and displaying subtitles

If the DVD provides subtitles, they can be displayed on your TV screen.

When subtitles in several languages are available, you can select your language of choice.

- 1 During playback, press »«.
– Display: for example, » 1/5 de« is briefly displayed, and the current subtitle is displayed.
- 2 Keep pressing »« to select the language for the subtitles.

Notes:

To switch off the subtitles, keep pressing »« until »1/05« appears in the display, or press and hold down »«.

Switching the sub-titles can be suppressed by the structure of the DVD itself. In this case the setting is usually made in the DVD menu.



PLAYBACK A DVD

Selecting and playing scenes

You can make a bookmark for a scene on a DVD. This bookmark can be selected directly for playback.
You can set one bookmark per DVD.


Setting bookmarks

- 1 During playback, press »  «.

Note:

This bookmark is automatically overwritten if you create a new bookmark.


Playing bookmarked scenes

- 1 During playback, press and hold down »  «.
– Playback starts at the point marked.

Repeat functions






Selecting the repeat function

During playback, select the repeat function

- 1) A-B Repeat or
 - 2) Chapter/DVD Repeat
- by pressing and holding down »  «.








Repeating a selected scene (A-B Repeat)

You can mark the start and end of a scene, this is then played back repeatedly.

- 1 During playback, mark the beginning of the scene, to do this, briefly press »  «. – Display: »  A-«.
- 2 To mark the end of a scene, briefly press »  «. – Display: »  A-B«, the scene marked is now played back constantly.
- 3 To quit this function, briefly press »  « again.

Repeating a chapter or a DVD

These functions repeat the chapter currently playing or the entire DVD.

- 1 Press »  « briefly during playback. – Display: »   «, the chapter is repeated.
- 2 During playback, briefly press »  « twice. – Display: »   «, the DVD is repeated.
- 3 To quit this function, briefly press »  « again.



PLAYBACK S-VCD/VCD



S-VCD/VCD features

You can recognise S-VCD/VCDs (video CDs) by the logo on the label.

Depending on the contents of the S-VCD/VCD (films, music videos etc.), the discs may carry one or more tracks.

Like audio CDs, S-VCDs/VCDs have a track structure.

S-VCDs/VCDs can be created using the PBC (playback control) system for track navigation. This depends on the processing and burning software used.

You can control and direct playback of the S-VCD/VCD using the menu of the DVD player on the television screen.

You cannot select some of the functions on the DVD player (slow motion, camera angle, marking scenes) when you are playing an S-VCD/VCD. This depends on how the S-VCD/VCD was created.

Depending on how they were created, S-VCDs can have various subtitles and dubbed languages.

PBC (playback control)

PBC is a navigation option for S-VCD/VCDs. PBC information is burned onto the disc when it is made. PBC switches between the playlist structure (the menu on the S-VCD/VCD) and manual selection by the user.

The default setting upon delivery is PBC activated. PBC and the program info on the S-VCD/VCD predetermine the navigation options. If the disc has PBC, »PBC« appears in the display.

If PBC is deactivated, the S-VCD/VCD behaves like a normal CD as regards navigation (with a track structure). The user selects tracks or titles using »1 ... 0«, »|« and »|«, starts playback using »▶«, and stops it using »■«.

Switching PBC (playback control) on/off

- 1 To deactivate the PBC function, press »Ⓢ« during playback.
– The display »PBC« on the DVD player goes out.
- 2 To activate the PBC function, press »Ⓢ« during playback.
– The display »PBC« on the DVD player lights up.

PLAYBACK S-VCD/VCD

Playing back a track

- 1 After the disc compartment closes and the S-VCD/VCD is scanned, playback starts automatically.
- 2 To pause playback (freeze-frame), press »**||**«.
- 3 Press »**||**« repeatedly to switch through individual frames.
- 4 Press »**▶**« to resume playback.
- 5 To stop playback, press »**■**« twice.

Selecting a track

If an S-VCD/VCD has several tracks, you can select them. If an S-VCD/VCD has several tracks, you can see them in the info line.

- 1 To deactivate the PBC function, press »**⊙**« during playback.
– If the S-VCD/VCD has a track menu it will appear on the screen.
- 2 Select the desired track directly by pressing »**1 ... 0**« and then press »**OK**« to confirm

or

Select the track step-by-step with »**◀**« or »**▶**«.

Frame search

Several different speeds are available.

- 1 Select the desired playback speed during playback with »**◀◀**« or »**▶▶**«.
- 2 Press »**▶**« to resume normal playback.

Ending playback

You can stop playback at any point by pressing »**■**« twice.



PLAYBACK AUDIO/VIDEO FILES



Nero Digital™ CD features

Nero Digital™ is the ideal solution for video and audio codecs.

Codecs are required for processing and playing audio and video files. The Nero Digital™ codec allows you to save all the audio and video material on a DVD on a normal data CD – with no perceptible loss in quality.

The audio and video codecs of Nero Digital™ are based entirely on the industry standard MPEG-4 Video ISO 14496-2 and MPEG-4 Audio High Efficiency AAC and Parametric Stereo AAC.

Nero Digital™ files have the extension .MP4.

Nero Digital™ files can contain a video track, up to 8 audio tracks and up to 32 overlay tracks (e.g. subtitles).

To create Nero Digital™ files you need the “Nero Recode” or “Nero Vision Express” software. You can find out more about Nero Digital™ at www.nerodigital.com.

Features of the DivX®VIDEO CD

DivX®Video is an encoder/decoder, based on the MPEG-4 compression system, which is used to encrypt and display compressed video data.

This enables the DVD player to play back videos compressed in the DivX® format. This results in playback quality with less artefacts and higher compression.

DivX®video files have the suffix .AVI. DivX®Video data are packed into the AVI file along with audio data which is compressed as MP3 data, this means:

DivX®Video and MP3 audio form the AVI file.

Further information on DivX®Video and how to create AVI files can be found under www.DivX Networks.de.

You can see the registration code in the »Disc preferences« —> »DIVX Registration« menu on page 41.



PLAYBACK AUDIO/VIDEO FILES _____



MP3 CD features

MP3 stands for MPEG-1 Audio Layer 3 and arises from the Motion Picture Expert Group (MPEG) Standard which was developed for compressing film data.

The MP3 format enables audio files to be saved on a computer with a sound quality similar to that of a CD. This only requires approx. 10% of the original data quantity. The standard encoding byte rate for MP3 files is 128 kbps. Generally, the higher the byte rate of an MP3 file, the better the sound quality.

Most MP3 files in the Internet are encoded at 128 or 160 kbps. 160 kbps is considered CD quality.

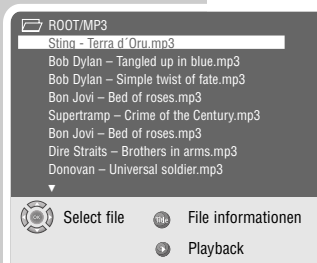
MP3 files can be downloaded from the Internet and then burned onto a CD-ROM disc. Your DVD player can read the ID3 tag from the file header, which contains information on title and artist, and display this in the info menu/status display.

MP3 CDs contain sound recordings. They can be played in the normal manner on an audio system. The digital signals transmitted during MP3 playback are PCM coded, regardless of the audio output setting. The signals are output with the same data rate as the music source (possibilities are: 32 kbps – 320 kbps, ideal: 128 kbps).

MP3 files can be organised into folders and subfolders, similar to files within a PC.

PLAYBACK AUDIO/VIDEO FILES

Playback



- 1 After the disc compartment shuts and the DivX[®]Video CD/MP3 CD is scanned, the file browser (the table of contents) of the DivX[®]Video CD/MP3 CD is displayed.
- 2 Select the folder or track required with »▲« or »▼«.
– A list of sub-directories appears.
- 3 Open the folder with »OK« or »▶«.

Note:

Press »◀« to go back one level.

- 4 Press »▶« or »OK« to start playback of the track.
– The playing time appears in the display on the DVD player.
- 5 Press »||« to interrupt playback (pause).
- 6 Press »▶« to resume playback.
- 7 End playback by pressing »■«.



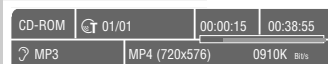
Calling up information

Press »OK« for information on the selected Nero Digital[™] or DivX[®]Video track.

Press »■« to see the contents of the Nero Digital[™] or DivX[®]Video D (file browser).

Information about the MP3 track selected can be called up with »Title«.

The contents of the MP3 CD (file browser) can be called up with »Title«.



Selecting specific tracks using the number keys

- 1 During playback select the desired track with »1 ... 0« and confirm with »OK«.
– Playback begins with the selected track.

Selecting a track in steps (SKIP)

- 1 Select the next track by pressing »▶|« during playback.
- 2 Select the previous track by pressing »|◀«.
– Playback begins with the selected track.



Random play

- 1 During stop mode, press and hold down »⊞«.
- 2 Start random play with »▶«.
- 3 End playback by pressing »■«.

PLAYBACK AUDIO/VIDEO FILES

Frame search (Nero Digital™/DivX® Video CD only)

You can select different speeds (2-fold, 4-fold, 8-fold and 16-fold forwards and backwards).

- 1 Select the desired playback speed during playback with » «« or » ««.
- 2 Press » « to resume normal playback.

Switching freeze frames forwards step-by-step (Nero Digital™/DivX® Video CD only)

- 1 During playback, press » «.
- 2 Move the freeze frame step by step forwards with » «.
- 3 Press » « to resume normal playback.

Enlarging the picture – zoom (Nero Digital™/DivX® Video CD only)

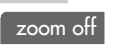
This function allows you to enlarge various picture sections.

- 1 During playback or pause, press » [Q] «.
– Display: for example » zoom on«, the DVD player enlarges a picture section.
- 2 Move the picture section around the screen with » «, » «, » «, » « or » «.
- 3 Switch back to “normal” picture size with » [Q] «.

Slow motion (Nero Digital™/DivX® Video CD only)

You can choose between different speeds (1/2, 1/4, 1/8, forwards or reverse).

- 1 During playback, press » «.
- 2 Select the slow motion speed by pressing » «« or » «.
- 3 Press » « to resume normal playback.



PLAYBACK AUDIO/VIDEO FILES

Switching the dubbing language or the audio format (Nero Digital™/DivX®Video CD only)

A Nero DIGITAL or DivX®Video CD can contain various dubbing languages or audio formats.

- 1 Press »⏮« during playback.
- 2 Keep pressing »⏮« to select the dubbing language or the audio format.

Selecting and hiding subtitles (Nero Digital™ only)

- 1 Press »⏮« during playback.
- 2 Keep pressing »⏮« to select the subtitle language.

Selecting and showing subtitles (DivX®Video CD only)

DivX®Video CDs provide two types of subtitles.

There are the familiar subtitles available on a conventional DVD, and also subtitles shown as a separate file in the browser.

- 1 Press »⏮« to show subtitles during playback

or

- 2 Select the subtitles file in the browser (the file name has an extension such as .TXT), then press »⏮«.
– Display: »DIVX SUB TITLE SELECTED« briefly appears.

In the file browser, select the DivX®Video file and press »▶« to start playback.

– The subtitles are displayed.

Removing the CD

- 1 Press »▲« on the DVD player;

or

press and hold down »■« on the remote control.

– Display: »▲«, the disc tray opens.



PLAYBACK PICTURE CD

JPEG CD features

JPEG stands for Joint Picture Experts Group. This process was designed to compress picture files.

JPEG files can be burned onto a CD along with other file types. Such CDs are known as file CDs or mixed mode CDs. For example, the CD could contain MP3 files (audio) and JPEG files (for example to display album covers).

The files on a JPEG CD can be organised in directories. This structure is similar to that of an MP3 CD.

JPEG CDs only contain data in the compressed JPEG format. This is mostly data from digital cameras or from picture processing programs. The data (pictures) can be displayed individually or in sequence in a slide show.

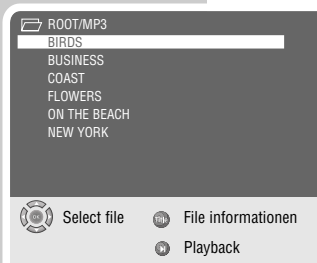
Features of the KODAK picture CD

This method was developed for archiving analogue photographs.

After they are developed, small photographs are scanned with a resolution of 1536 x 1024 pixel and burnt onto a CD in JPEG format.

A KODAK picture CD can contain up to 40 pictures. In addition to the picture files, a KODAK picture CD can also contain imaging software which enables the user to play the CD on a PC, edit the pictures or view a slide show.

Displaying JPEG pictures



- 1 After the disc compartment has closed and the JPEG CD has been scanned, the File Browser (Contents menu) of the JPEG CD is displayed.
- 2 Select the desired folder (or picture) with »▲« or »▼«. – A list of sub-directories appears.
- 3 Open the folder with »OK« or »▶«.

Note:

Press »◀« to go back one level.

- 4 Select the desired picture with »▲« or »▼« and confirm with »OK« or »▶«.
- The JPEG picture appears as a still image on the screen, and after a short while the next picture appears.

Notes:

To view the picture for longer, press »■«. Press »▶« to continue the slide show.

The contents of the JPEG CD (file browser) can be called up with »■«. The picture last selected is highlighted.

PLAYBACK PICTURE CD

Playing back a KODAK picture CD

- 1 After the disc compartment closes and the KODAK picture CD is scanned, the slide show starts automatically.

Additional playback functions



Adjusting the picture display

The pictures can be rotated or reversed.


- 1 During playback, press » ◀◀ or »▶▶ to rotate the pictures by 90°.
- 2 During playback, press » ▲◀ or » ▼◀ to reverse the pictures.
- 3 Press » ■◀ to quit the function.

Enlarging the picture (Zoom)

This function enables you to enlarge sections of the picture and move them on the screen.

- 1 During playback or pause, press »  ◀.
- 2 To enlarge a picture section, press » ◀◀◀ or »▶▶▶ repeatedly.
- 3 Move the picture section on the screen with » ◀◀, »▶▶, » ▲◀ or » ▼◀.
- 4 Switch back to "normal" picture size with »  ◀.

Random play (JPEG CD only)

- 1 During stop mode, press and hold down »  ◀.
- 2 Press »▶◀ once or twice to start random playback.
– The pictures on the entire picture CD are shown in random order.
- 3 End playback by pressing » ■◀.

rotating

rotating

zoom on

pct 1.50

PLAYBACK AUDIO CD

Audio CD features

An audio CD is identified by this logo.

Audio CDs contain only sound recordings. They can be played in the normal manner on an audio system.

The individual tracks are stored in a sequence. There are no folders.



Calling up the info line

The info line is displayed on the television screen.

- 1 Press »OK« during playback to call up the info line.

– The info line is displayed.

This gives information about the CD: the number of tracks, the elapsed playing time of the track, the playing time remaining, and about the audio system and the data flow.

– The display on the device shows the elapsed playing time of the track.

- 2 Press »OK« to deactivate the info line.

Playing back a track

- 1 Playback starts automatically when a CD is inserted.

– Playback stops at the end of the CD.

- 2 Press »||« to interrupt playback (pause).

- 3 Press »▶« to resume playback.

Selecting a track ...

... using the numerical buttons

- 1 In the STOP position select the desired track with »1 ... 0« and confirm with »OK«.

– Playback begins with the selected track.

... step by step (SKIP)

- 1 Select the next track during playback with »▶|«.

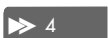
- 2 Select the previous track by pressing »|◀«.
– Playback begins with the selected track.

Quick search

Four different speeds are available.

- 1 To select the required playback speed, press »◀◀« or »▶▶« repeatedly during playback.

- 2 Press »▶« to resume normal playback.



PLAYBACK AUDIO CD

Ending playback

Playback of the CD stops automatically at the end of the last track. You can stop playback at any point by pressing »■«.

Repeating a track or an audio CD

These functions repeat the track currently being played or the entire audio CD.

- 1 During playback, press »↺«.
– Display: »↺↻« and the track is repeated.
- 2 During playback, press »↺« and then press again.
– Display: »↺⊙«, the audio CD is repeated.
- 3 Press »↺« again to cancel the function.

Random play

- 1 During stop mode, press and hold down »⊞«.
- 2 Start random play with »▶«.
- 3 End playback by pressing »■«.

Creating a playlist

Tracks on an audio CD can be compiled into a playlist. The tracks in the playlist are played back in sequence.

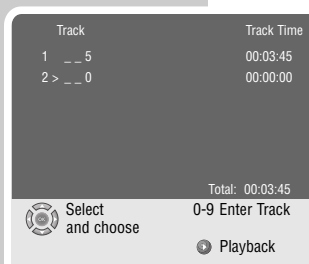
- 1 Press »■« to end playback.
- 2 Call up the playlist with »↺«.
- 3 Enter the title by pressing »1 ... 0« and press »OK« to confirm.
– Tracks can be added to the playlist several times.
– Display: The tracks and playing time, and the total playing time of the playlist.
- 4 Press »▶« to start playback.

Note:

The playlist is deleted if the DVD player is switched off or the CD is removed.

Viewing/playing back a playback program

- 1 Switch the DVD player to STOP by pressing »■«.
- 2 Call up the playlist with »↺«.
- 3 Press »▶« to start playback.

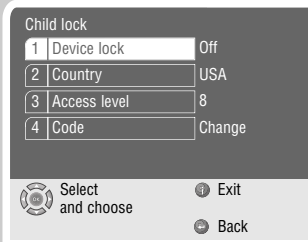


PARENTAL LOCK

With the parental lock you can:

- Lock the disc tray of the DVD player.
- Block scenes which are not appropriate for children from DVDs or video CDs, or select alternative scenes.


Locking and releasing the disc compartment of the DVD player

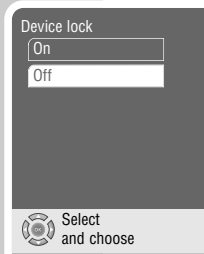


Locking the disc compartment of the DVD player

- 1 Press »i« to open the main menu.
- 2 Select »Child lock« with »▼« or »▲« and activate with »OK«.
- 3 Select »Device lock« with »▼« or »▲« and activate with »OK«.
- 4 Lock the DVD player by pressing »▲« or »▼« (»On«) and press »OK« to confirm.
- 5 Enter the code using the numerical keys »3« »3« »0« »8« and press »OK« to confirm.
- 6 Press »i« to exit the menu.

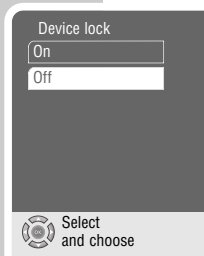
Note:

The »▲« button on the DVD player is disabled and »« is displayed on the screen every time a button is pressed. The disc compartment cannot be opened. A disc in the DVD player can be played.



Enabling the disc compartment of the DVD player

- 1 To unlock the disc compartment, repeat points 1 to 4 in the "Locking the disc compartment of the DVD player" chapter, select »Off« with »▲« or »▼« and confirm with »OK«.
- 2 Enter the code using the numerical keys »3« »3« »0« »8« and press »OK« to confirm.



PARENTAL LOCK

Authorising the contents of a DVD

Films on DVD may be wholly or partially unsuitable for children. Such DVDs contain information which identifies these scenes, providing them with access levels from 1 to 8. You can select one of the access levels and thereby authorise alternative scenes for playback.

Child lock

1	Device lock	Off
2	Country	USA
3	Access level	8
4	Code	Change

Select and choose Exit
Back

Country

Germany
USA
France
Netherlands
Italy

Select and choose

- 1 Place any disc in the tray. After playback starts automatically, press »■« to stop playback.
- 2 Press »i« to open the main menu.
- 3 Select »Child lock« with »▲« or »▼« and activate it with »OK«.
- 4 Select the »Country« line using »▲« or »▼« and press »OK« to confirm.
- 5 Select the desired country with »▼« or »▲« and confirm with »OK«.
- 6 Enter the code using the numerical keys »3« »3« »0« »8« and press »OK« to confirm.
- 7 Press »←« to return to the »Child lock« menu..
- 8 Select »Access Level« with »▼« or »▲« and confirm with »OK«.
- 9 Select the desired access level with »▼« or »▲« and confirm with »OK«.
- 10 Enter the code using the numerical keys »3« »3« »0« »8« and press »OK« to confirm.
- 11 Press »i« to exit the menu.

Changing the access code

Change code

Old code:

New code:

Confirm code:

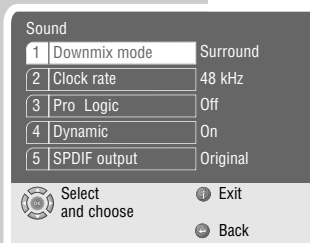
Enter old code

Select and choose

- 1 Press »i« to open the main menu.
- 2 Select »Child lock« with »▲« or »▼« and activate it with »OK«.
- 3 Select the »Code« line using »▲« or »▼« and press »OK« to confirm.
- 4 Activate »Change« by pressing »OK«.
- 5 Enter the current code using the numerical keys »3« »3« »0« »8«.
- 6 Enter a new four-digit code using the numerical keys »1 ... 0«.
- 7 Enter the new code again using the numerical keys »1 ... 0« and press »OK« to confirm.
- 8 Press »i« to exit the menu.

AUDIO SETTINGS

Selecting the sound menu



- 1 Press »i« to open the main menu.
- 2 Select »Sound« with »▼« or »▲« and activate with »OK« – The »Sound« menu appears.

Note:

For further operation, see the following sections, each one starting from Step 1.

Selecting the sound mode (downmix mode)



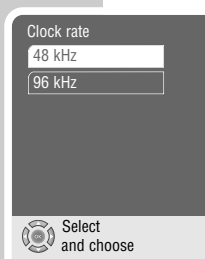
This enables you to select stereo (two-channel sound) or surround sound.

- 1 Select the »Downmix mode« line by pressing »▼« or »▲« and press »OK« to confirm.
- 2 Select the mode (»Stereo« or »Surround Sound«) by pressing »▼« or »▲« and press »OK« to confirm.

Setting the sampling rate

This setting is used to adjust the sampling rate of the digital output. The sampling rate indicates how many samples can be read in per time interval.

- Use »96 kHz« for DVDs with a 96 kHz audio signal for optimum analogue audio output at the »AUDIO OUT L R« sockets.
- Use »48 kHz« for DVDs with a 48 kHz audio signal. The signal is emitted at the »AUDIO OUT L R« and »DIGITAL AUDIO OUT« sockets.



- 1 Select the »PCM output« line by pressing »▼« or »▲« and press »OK« to confirm.
- 2 Select the required value (»48 kHz« or »96 kHz«) by pressing »▼« or »▲« and press »OK« to confirm.

Selecting Pro Logic sound mode

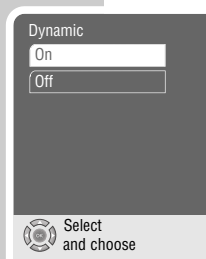


- 1 Select the »Pro Logic« line by pressing »▼« or »▲« and press »OK« to confirm.
- 2 Activate the function by pressing »▼« or »▲« (»On«) and press »OK« to confirm.

AUDIO SETTINGS

Switching the dynamic range (volume range) on/off

Dolby digital soundtracks have a very large dynamic volume range, hence there is a great difference in volume between quiet and loud tones. When played at high volume this can be a fascinating experience, which may however cause disturbance late at night. Simply reducing the volume does not produce pleasing results, and the dialogue becomes difficult to understand. In order to achieve the desired results, you would have to reduce the volume only for the louder sounds, increase the volume during quieter scenes and maintain the volume of the dialogue.



- 1 Select the »Dynamic« line by pressing »▼« or »▲« and press »OK« to confirm.
- 2 Select the function by pressing »▼« or »▲« (»On«) and press »OK« to confirm.

Selecting the digital output

Here you select whether the audio signal is emitted from the »DIGITAL AUDIO OUT« sockets in the original data format or in PCM format.



- 1 Select the »SPDIF output« line by pressing »▼« or »▲« and press »OK« to confirm.
- 2 Select the mode (»Original« or »PCM«) by pressing »▼« or »▲« and press »OK« to confirm.

Ending settings

- 1 Press »i« to exit the menu.

PERSONAL SETTINGS

Setting the language

You can choose between various languages.

- 1 Press »i« to open the main menu.
- 2 Select the »Disc preferences« line by pressing »▼« or »▲« and press »OK« to confirm.
– The »Disc preferences« menu appears.

Note:

For further operation, see the following sections, each one starting from Step 1.

Selecting the dubbing language

If several languages are available on the current DVD, the sound is played back in the language you have selected.

If the language you select is not on the DVD, the first dubbed language available is automatically selected.

- 1 Select »Audio language« by pressing »▼« or »▲« and press »OK« to confirm.
- 2 Select the desired dubbing language by pressing »▼« or »▲« and press »OK« to confirm.

Selecting the language for the subtitles

If subtitles are available on the current DVD, they are shown in the language you have selected.

If the language you have selected for the subtitles is not on the DVD, the first language available is automatically selected.

- 1 Select »Subtitles« by pressing »▼« or »▲« and press »OK« to confirm.
- 2 Select your language using »▼« or »▲« and press »OK« to confirm.

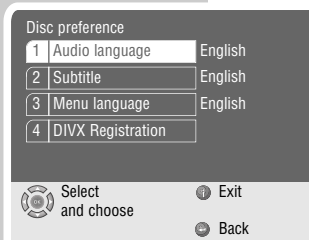
Selecting the language of the DVD menus

If the DVD has menus in several languages, you can select the language of your choice.

- 1 Select the »Menu language« line by pressing »▼« or »▲« and press »OK« to confirm.
- 2 Select the language for the DVD menus using »▼« or »▲« and press »OK« to confirm.

Concluding the settings

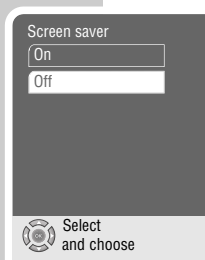
- 1 Press »i« to switch off the menu.



PERSONAL SETTINGS

Switching the screen saver on/off

When this function is activated, the screen saver starts when no function has been selected on the DVD player for some time.



- 1 Press »i« to open the main menu.
- 2 Select the »Picture« line with »▼« or »▲« and activate it with »OK«.
- 3 Select the »Screen saver« line by pressing »▼« or »▲« and press »OK« to confirm.
- 4 Select the function by pressing »▼« or »▲« (»On«) and press »OK« to confirm.

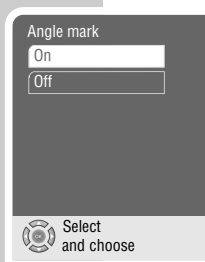
Note:

To deactivate the screen saver, repeat the setting procedure and select »Off«.

- 5 Press »i« to exit the menu.

Switching the camera angle display on and off

When you activate this function, a display appears on the television screen, telling you that various camera angles are available on the DVD which is currently playing.



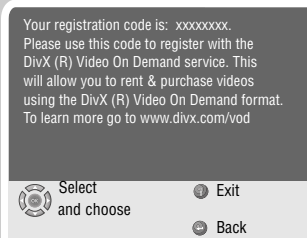
- 1 Press »i« to open the main menu.
- 2 Select the »Picture« line with »▼« or »▲« and activate it with »OK«.
- 3 Select the »Angle mark« line by pressing »▼« or »▲« and press »OK« to confirm.
- 4 Select the function by pressing »▼« or »▲« (»On«) and press »OK« to confirm.

Note:

To deactivate the camera angle, repeat the setting procedure and select »Off«.

- 5 Press »i« to exit the menu.

DivX©VIDEO registration



- 1 Press »i« to open the main menu.
- 2 Select the »Disc preference« line with »▼« or »▲« and activate it with »OK«.
- 3 Select the »DIVX Registration« line by pressing »▼« or »▲« and press »OK« to confirm.
 - The menu shows the registration code for the Internet.
- 4 Press »i« to exit the menu.

PERSONAL SETTINGS

Resetting the DVD player to its original condition

All custom settings are restored to the original status.

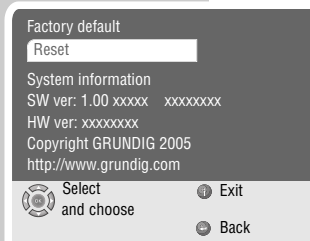
- 1 Press »i« to open the main menu.
- 2 Select »Installation« with »▼« or »▲« and activate with »OK«.
- 3 Select the »Factory Defaults« line by pressing »▼« or »▲« and press »OK« to confirm.
- 4 Press »OK« to reset the DVD player to its original state.
- 5 Press »i« to exit the menu.



Calling up the software status

In this menu you can get information about your DVD player's software version.

- 1 Press »i« to open the main menu.
- 2 Select »Installation« with »▼« or »▲« and activate with »OK«.
- 3 Select the »Factory default« line by pressing »▼« or »▲« and press »OK« to confirm.
– The »System information« is displayed.
- 4 Press »i« to exit the menu.



TELEVISION REMOTE CONTROL

You can also operate GRUNDIG televisions with this remote control. The functions available to you depend on the model of the GRUNDIG television.

Point the remote control directly at the TV.



- TV** Switches the remote control to television operation. To do this, press and hold down »TV« then press the relevant button for the desired function.
- Power** Switches off the television set (stand-by).
- 1 ... 0** Switches the television on from standby mode. Selects the television channel directly. »0« Selects the preset stations »AV«. In teletext mode: for entering the three-figure page number.
- Picture in Picture** Picture in picture.
- Picture Format** Calls up the "Picture Format" menu.
- Concise TV Help** Calls up the concise TV help menu.
- Mute** Switches the sound on or off (mute).
- i** Calls up the "DIALOG CENTER" or switches to menu operation.
- Channel Zapping** Switches between the two most recently selected channels (zapping).
- Volume** Volume setting, »◀« lower, »▶« higher. In menu mode: »◀« cursor left, »▶« cursor right.
- OK** Activates functions, calls up data, confirms and saves data.
- ▲ ▼** Select TV channels, »▲« up, »▼« down. In menu mode: »▲« cursor up, »▼« cursor down.
- TXT** Switches from TV mode to teletext mode and back.
- TV-G Title** Switches the TV Guide on and off.
- ◀** In teletext mode: Returns to the previous page.
- ▶** In teletext mode: Advances to the next page.
- ◀◀** In teletext mode: Switches to the next topic.
- ▶▶** In teletext mode: Switches to the next chapter.
- ?** Calls up the sound menu.
- Eye** Call up the "Picture" menu.

INFORMATION



Technical data

This product fulfils the European directives 89/336/EEC, 73/23/EEC and 93/68/EEC. This device conforms to the safety regulation DIN EN 60065 (VDE 0860) and therefore the international safety regulation IEC 60065.

You may not open the DVD player. The manufacturer will not accept any liability for damage resulting from improper handling.

Mains voltage:

100 – 240 V ~, 50/60 Hz

Power consumption:

Operating: approx. 10 W
Standby: ≤ 4 W

Ambient temperature:

+10°C to +35°C

Playback standard:

PAL, 50 Hz, 625 lines
NTSC, 60 Hz, 525 lines

Playback system:

CD-R, CD-RW, VCD 2.0,
Super VCD, DVD R, DVD RW

Disc formats:

DVD R, DVD RW, CD R, CD RW

Media formats:

DVD video, audio CD,
video CD (VCD 1.0/1.1/2.0), S-Video
CD,
CD ROM (DivX[®]Video, MP3, WMA, JPEG,
Kodak Picture CD)

Laser:

Semiconductor laser
Wavelength 650 nm for DVD
Wavelength 780 nm for CD
Audio format:
Digital: MPEG2/Dolby Digital, PCM, DTS
Analogue: Stereo sound, Dolby Pro Logic

Audio:

Signal:	Analogue	
DVD:	48/96 kHz	4Hz-22/44 kHz
Video CD:	44.1 kHz	4Hz-20 kHz
Audio CD:	44.1 kHz	20Hz-20 kHz

Signal-to-noise ratio

(at 1 kHz): ≥ 90 dB

Sound volume

(at 1 kHz): ≥ 80 dB

Dimensions and weight:

Dimensions:
W x H x L 430 x 38 x 251 mm
Weight 2.3 kg

General instructions for laser devices

Your system is a CLASS 1 LASER PRODUCT. This means that the laser is designed in such a way as to ensure that the maximum permissible emission value cannot be exceeded under any circumstances.

Caution:

If operating devices or methods other than those specified here are employed, it may lead to dangerous exposure to emissions.

This device emits laser radiation. Because of the danger of eye injuries, the unit may only be opened or serviced by trained personnel.

If settings other than those specified here are employed or OTHER PROCEDURES are carried out, this may lead to dangerous radiation exposure.



This product contains components which are covered by certain U.S. patents or for other reasons are considered intellectual property of the Macrovision Corporation and other proprietors. Use of this protected technology must be approved by the Macrovision Company and is only permissible for private presentation at home or for other limited applications, where no special permission has been granted by Macrovision. Reproduction or disassembly of the device is prohibited.

Manufactured with permission from Dolby Laboratories. The "Dolby" label and the double-D logo "D" are trademarks of Dolby Laboratories. Confidential unpublished material.
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During playback of DTS-coded CDs and DVDs, a high noise level is produced at the analogue stereo outputs. In order to avoid possible damage to the audio system, the user should take appropriate preventive measures when the stereo outputs of the DVD player are connected to an amplification system. For DTS Digital Surround playback, an external 5.1-channel DTS Digital Surround decoder must be connected to the digital output (S/PDIF) of the DVD player.

DTS and DTS Digital Out are trademarks of Digital Theater Systems, Inc. All rights reserved.

CLASS 1
LASER PRODUCT

INFORMATION

Troubleshooting

Not every picture or sound problem is caused by a defect in your DVD player. Impairment can also be caused by leads having been accidentally pulled out, damaged DVDs/CDs and worn-out batteries in the remote control.

If the following measures do not bring about satisfactory results, consult an authorised dealer.

DVD-R/RWs in DVD video format, as well as CD-Rs and CD-RWs in CD-DA and MP3 format can be played. Due to the difference in quality of the recording media and the quality of the recording itself, it can occasionally happen that a home-made DVD or CD cannot be read. This does not indicate a malfunction of the DVD player.

Problem	Possible cause/remedy
DVD player does not respond to the remote control	Point the remote control directly at the DVD player.
	Remove all obstacles which may interfere with the path of the remote control signal.
	Check or replace the remote control batteries.
The disc tray will not open, Picture/sound problems	Using the mains switch, switch the DVD player »ON/OFF« off and on again.
No picture	Check the video connection.
Distorted image	Make sure that there are no fingerprints on the DVD/CD, follow the cleaning instructions on this page.
The DVD/CD cannot be played	Check if the label on the DVD/CD is facing upwards.
	Clean the DVD/CD.
	Check if the DVD/CD is damaged by testing out another DVD/CD.
No sound	Check the audio connections.
	Try another playback source.
	Use an external decoder for DTS audio formats.
No sound at the digital output	The scanning rate was set to 96 kHz. Set the scanning rate to 48 kHz as described on page 38.
Distorted sound from the HiFi system	Ensure that the audio connections have not been connected to the phono input on the amplifier.

Cleaning discs

Wipe the dirty disc with a cloth from the centre outwards in a straight line.

Do not use any solvents such as benzene, thinners, conventional cleaner or anti-static spray for vinyl records.

Software information

We wish to point out explicitly that only operating software authorised by GRUNDIG is permissible for the DVD player. This operating software is available from specialist dealers or will be available shortly on the Grundig web sites www.grundig.com and www.grundig.de. Any instance of operating software from a dubious Internet source being loaded to the device will impair functioning and also, since it is an unauthorised intervention, invalidate any claims under the guarantee.

GRUNDIG will refuse to refund any costs resulting in such cases. Any repair costs in such cases, even those occurring within the guarantee period, are to be paid by the customer.

Environmental note

This product has been made from high-quality parts and materials which can be re-used and recycled.

Therefore, do not throw the product away with normal household waste at the end of its life. Take it to a collection point for recycling electrical and electronic devices. This is indicated by this symbol on the product, in the operating manual and on the packaging.

Please find out about collection points operated by your local authority.

Help protect the environment by recycling used products.



INFORMATION

Additional Information for units sold in the UK.

Units sold in the UK are suitable for operation from a 240V ac, 50Hz mains supply.

The range of multi-system receivers is built to work in most European countries. However, the mains plug and socket system for the UK differs from many European countries.

This appliance has been supplied with a fitted, non-removable, approved converter plug for use in the UK. This converter plug is fitted with a 5A rated fuse.

In case this appliance is supplied with a moulded 2-pin Euro plug only, which is unsuitable for UK operation, this must be cut off and immediately disposed of. An approved 13A, 3-pin UK plug should then be fitted by a qualified electrician.

Note:

The severed Euro plug must be destroyed to avoid a possible shock hazard should it be inserted into a socket elsewhere.

If a non-rewireable 3-pin plug or a rewireable 13A (BS1363) 3-pin plug is used, it must be fitted with a 5A ASTA or BSI approved BS1362 fuse. If any other type of plug is used it must be protected by a 5A fuse either in the plug, or at the distribution board. If this type of plug becomes defective, ensure that the fuse is removed before disposal, to eliminate potential shock hazard.

If it is necessary to change the fuse in the non-rewireable plug, the correct type and rating (5A ASTA or BSI approved BS1362) must be used and the fuse cover must be refitted. If the fuse cover is lost or damaged, the lead and plug must not be used until a replacement is obtained. Replacement fuse covers should be obtained from your dealer.

Important:

The wires in the mains lead are colour coded in accordance with the following code:

BLUE – NEUTRAL

BROWN – LIVE

As the colours of the wires in the mains lead of your appliance may not correspond with the coloured marking identifying terminals in your plug, proceed as follows:

Connect the BLUE coloured wire to plug terminal marked with the letter "N" or coloured black.

Connect the BROWN coloured wire to the plug terminal marked with the letter "L" or coloured red.

In no circumstance must any of the wires be connected to the terminal marked with the letter "E", earth symbol "⏏", coloured green, or green & yellow.

